

OBJECTIVE YIELD: Corn, Soybeans, and Spring Wheat, Minnesota, 2002-2006

The USDA, NASS, Minnesota Field Office conducts objective yield surveys for corn, soybeans, and spring wheat. Randomly selected plots in fields across the state are visited monthly from August through harvest to obtain specific counts and measurements. Data in these tables are rounded actual counts from these surveys and are not official estimates of the Agricultural Statistics Board, but are intended to show trends in production practices.

CORN FOR GRAIN: Plant Population per Acre 1/

Month	2002	2003	2004	2005	2006
	<u>Number of Plants</u>				
September	26,950	28,700	29,300	28,400	28,850
November	26,800	28,800	29,250	28,400	28,900
Final	26,800	28,800	29,300	28,450	

CORN FOR GRAIN: Percentage Distributions by Row Width and Average Row Width

Year	Number of Samples	Row Width (Inches) 2/						Average Row Width 2/
		20.5 or Less	20.6-30.5	30.6-34.5	34.6-36.5	36.6-38.5	38.6 & Greater	
	<u>Number</u>	<u>Percent of Plots</u>						<u>Inches</u>
2002	158	1.9	69.5	19.0	3.2	5.1	1.3	30.0
2003	166	4.2	77.7	13.3	1.8	1.8	1.2	29.1
2004	160	1.9	76.2	17.5	1.9	2.5	--	29.2
2005	176	2.3	82.4	10.2	4.0	1.1	--	28.7
2006	178	3.4	82.0	10.7	1.1	2.8	--	28.7

SOYBEANS: Pods with Beans per 18 Square Feet 1/

Month	2002	2003	2004	2005	2006
	<u>Number of Pods</u>				
September	1,688	1,582	1,487	1,684	1,612
November	1,739	1,440	1,446	1,640	1,568
Final	1,715	1,440	1,435	1,640	1,568

SOYBEANS: Percentage Distributions by Row Width and Average Row Width

Year	Number of Samples	Row Width (Inches) 2/					Average Row Width 2/
		10.0 & Less 3/	10.1-18.5	18.6-28.5	28.6-34.5	34.6 & Greater	
	<u>Number</u>	<u>Percent of Plots</u>					<u>Inches</u>
2002	103	19.9	24.3	20.9	33.0	1.9	20.2
2003	92	19.6	31.5	10.9	36.9	1.1	19.6
2004	101	20.8	25.2	20.3	30.7	3.0	20.2
2005	98	14.8	27.5	19.4	38.3	--	21.2
2006	107	18.3	31.9	15.5	34.3	--	20.0

SPRING WHEAT: Heads per Square Foot 1/

Month	2002	2003	2004	2005	2006
	<u>Number of Heads</u>				
Final	50.6	55.9	55.0	52.2	50.3

1/ Based on counts in plots selected for objective yield samples.

2/ Spacings based on row measurements in sample plots selected for objective yield survey.

3/ Broadcast soybeans included as 10.0 inches and less but excluded in computation of average width.